PATENT ABSTRACTS OF JAPAN

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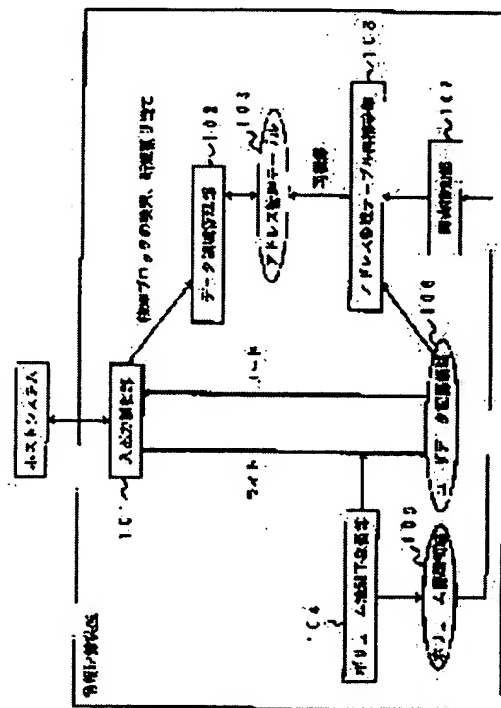   WATANABE HIROSHI

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(54) INFORMATION STORAGE DEVICE AND MANAGING DATA RECONSTRUCTING METHOD TO BE APPLIED TO THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To attain improvement in the reliability of an information storage device by efficiently reconstructing an address translation table even when that table is damaged.

SOLUTION: When a write request is received from a host system, a logical address designated by that write request is written in a user data storage area 106 inside a volume together with the user data of a write object. When the danger of fault occurrence in the address managing table 103 inside the volume is detected by a fault detection part 107, reconstructing processing is started by an address managing table reconstructing part 108. In this reconstructing processing, the logical addresses written in the user data storage area 106 are successively read out for each physical book. By using these logical addresses, the address managing table 103 are reconstructed.

LEGAL STATUS

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